



# Ceiling suspended Alpha

## FHA-A / RZAG-N *SkyAir Alpha-series*

**R-32** BLUEEVOLUTION

### For wide rooms with no false ceilings

- › Combination with Sky Air Alpha series ensures best in class quality, highest efficiency and performance
- › Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- › Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- › Can easily be mounted in corners and narrow spaces, as it only needs 300mm lateral service space
- › Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- › Stylish unit blends easily with any interior. The louvres close entirely when the unit is not operating and there are no air intake grilles visible
- › No optional adapter needed for DIII-connection, link your unit into the wider building managements system
- › Drain pump kit available as accessory
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required



FHA-A



RZAG71-140



BRC1H519W7



BRC7GA53-9 (optional)



BRP069A81 (optional)



**WI-FI ADAPTOR**  
AVAILABLE AS AN OPTION

# FHA-A / RZAG-N

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Indoor Units			Single Phase				3 Phase			
			FHA71A9	FHA100A	FHA125A	FHA140A	FHA71A9	FHA100A	FHA125A	FHA140A
Capacity	UK Total Cooling	kW	7.76	10.85	13.6	14.93	7.76	10.85	13.6	14.93
	UK Sensible Cooling	kW	5.32	7.44	9.3	10.25	5.32	7.44	9.3	10.25
	Nominal Cooling	kW	6.8	9.5	12.1	13.4	6.8	9.5	12.1	13.4
	Nominal Heating	kW	7.5	10.8	13.5	15.5	7.5	10.8	13.5	15.5
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	-	-	A++	A++	-	-
	Pdesign	kW	6.8	9.5	12.1	13.4	6.8	9.5	12.1	13.4
	SEER		7.11	6.42	7.14	6.42	7.11	6.42	7.14	6.42
	Annual Energy Consumption	kWh	335	518	1017	1253	335	518	1017	1253
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	-	-	A+	A++	-	-
	Pdesign	kW	4.7	7.8	9.52	9.52	4.7	7.8	9.52	9.52
	SCOP		4.32	4.61	4.2	4.3	4.32	4.61	4.2	4.3
	Annual Energy Consumption	kWh	1523	2369	3174	3100	1523	2369	3174	3100
Nominal Efficiency	EER/COP		3.75/5.15	4.10/5.70	3.40/5.49	3.11/5.54	3.75/5.15	4.10/5.70	3.40/5.49	3.11/5.54
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.341/0.283/0.233	0.466/0.400/0.333	0.516/0.450/0.383	0.566/0.483/0.400	0.341/0.283/0.233	0.466/0.400/0.333	0.516/0.450/0.383	0.566/0.483/0.400
			Dimensions	Height	mm	235	235	235	235	235
	Width	mm	1270	1590	1590	1590	1270	1590	1590	1590
	Depth	mm	690	690	690	690	690	690	690	690
Weight		kg	32	38	38	38	32	38	38	38
Sound Pressure (Cooling)	High / Nom / Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
Sound Pressure (Heating)	High / Nom / Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
Sound Power (Cooling)		dBA	55	60	62	64	55	60	62	64
Outdoor Units			RZAG71NV1	RZAG100NV1	RZAG125NV1	RZAG140NV1	RZAG71NY1	RZAG100NY1	RZAG125NY1	RZAG140NY1
Dimensions	Height x Width x Depth	mm	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460	870 x 1100 x 460
Weight		kg	81	85	95	95	81	85	95	95
Electrical Details	Power Supply		1ph	1ph	1ph	1ph	3ph	3ph	3ph	3ph
	Maximum Input Current (MCA) A		17.8	22.2	27.6	27.9	11.2	14.9	15.1	15.4
	Max Fuse Size	A	20	32	32	32	16	16	16	16
Interconnection Wiring	Core / Cable Size		3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)
			Pipework	Maximum Length	m	55	85	85	55	85
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30
	Precharged to	m	40	40	40	40	40	40	40	40
	Additional charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding charge	kg	3.2	3.2	3.7	3.7	3.2	3.2	3.7	3.7
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	46/44	47/45	49/47	50/48	46/44	47/45	49/47	50/48
Sound Pressure (Heating)	Nom / Night Quiet	dBA	48/44	50/45	52/47	52/48	48/44	50/45	52/47	52/48
Sound Power (Cooling)		dBA	64	66	69	70	64	66	69	70
Operating Range (Cooling)	Min / Max	°CDB	-20/52	-20/52	-20/52	-20/52	-20/52	-20/52	-20/52	-20/52
Operating Range (Heating)	Min / Max	°CWB	-20/18	-20/18	-20/18	-20/18	-20/18	-20/18	-20/18	-20/18
Air Flow Rate (Cooling)	Nominal	m³/sec	1.133	1.117	1.333	1.450	1.133	1.117	1.333	1.450
ECA Eligible			●	●	●	●	●	●	●	●

Accessory Ref	Description
BRP069A81	Wifi adaptor for connection to on-line controller
BRC1H519W7	Wired touch screen remote controller - White (Included as standard)
BRC1H519S7	Wired touch screen remote controller - Silver
BRC1H519K7	Wired touch screen remote controller - Black
BRC7GA53-9	Wireless remote controller
EKROR04	Remote on/off control interface kit
K.CGM	Condensing unit guard size Split 42-71/ Sky Air 35-250
K.CWBXL	Wall Brackets SS (250kg, 600mm)
K.DT2	Condensate drip tray for use with K.CWBXL
SB.K.RSS_RFC	Wireless room mounted temperature sensor and receiver
KDDQ50A140	Fresh air intake kit for up to 20% fresh air

Accessory Ref	Description
KLIC-DI	KNX Interface for Sky Air and VRV systems
KRCS01-4	Remote room mounted temperature sensor
KRP4A54-9 and UK.FB2	Unit/group adaptor PCB for remote on/off, status indication and temperature setting
RS-SE	Service and configuration tool for K.RSS
RTD-10 and UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock
RTD-20 and UK.FB2	Energy control PCB for Sky Air and VRV
RTD-NET and UK.FB2	Modbus interface PCB for Sky Air and VRV
KAFP501A80	Long life filter for 71 class
KAFP501A160	Long life filter for 100, 125 & 140 class

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